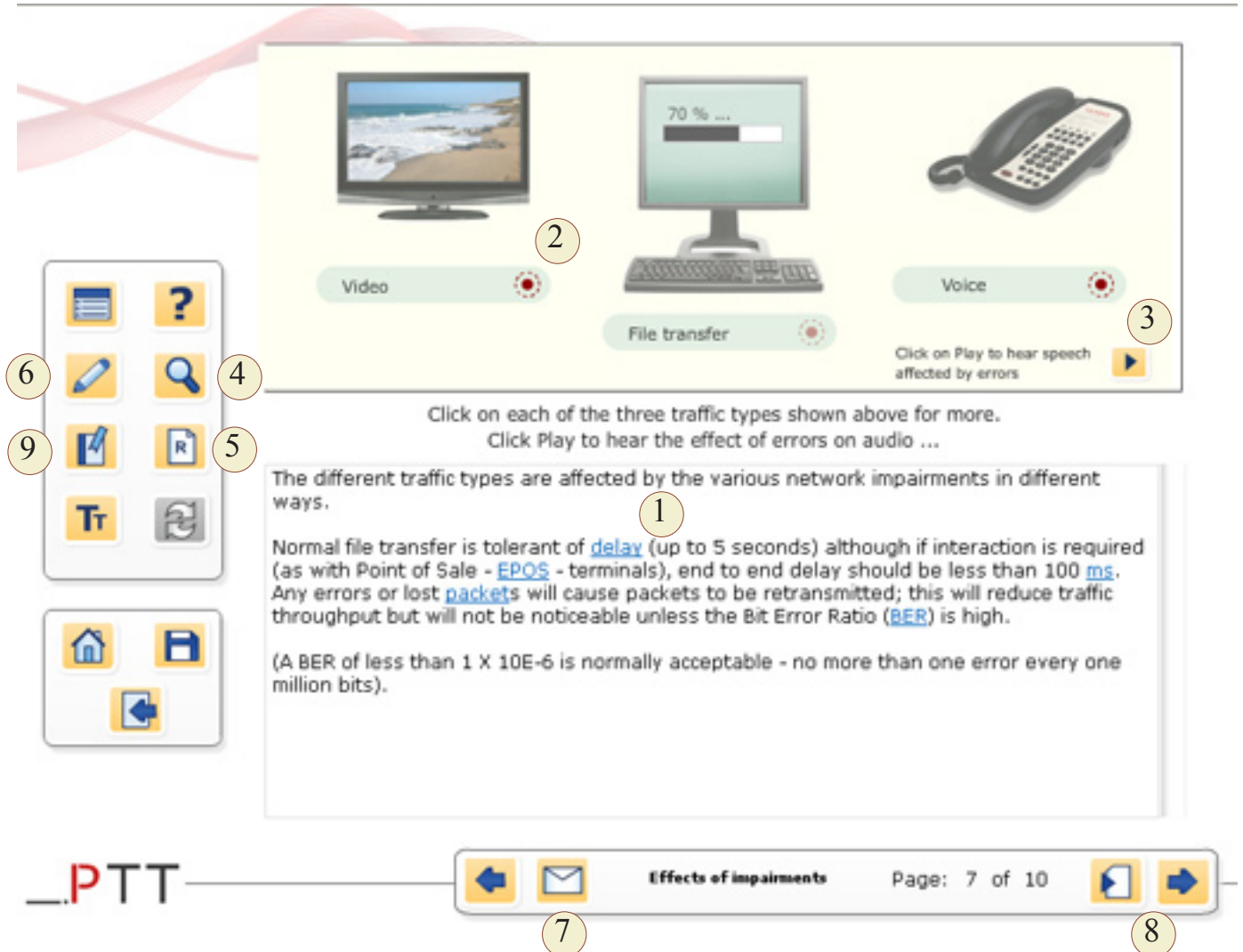


Course facilities:

PTT learnteledoms courses provide a range of interactive training facilities to fully engage the user in the learning experience.



1. Definitions of underlined technical words and acronyms are displayed when clicked.
2. Hotspots on images indicate that more information about a certain subject or sub-system will be displayed when clicked.
3. Many screens include animations or sound clips to illustrate concepts or system operation.
4. A searchable, comprehensive online glossary of technical terms and acronyms is available with all PTT courses.
5. Revision links provide quick access to subjects previously discussed and relevant to the module being studied.
6. A notes facility allows a user to make notes which can be saved or printed for future reference.
7. Those who have subscribed to the tutor support service can post questions.
8. Navigation through a course is easy. Apart from moving from screen to screen, a user can select a page from a list.
9. Individual screens can be bookmarked for later reference.

Topic 1: Network structures

Topic 2: Ethernet LANs (10)

Topic 3: IP networks

Each device connected to an Ethernet LAN must have its own unique MAC address. A hub forwards a frame received on any of its ports out on all other ports of the hub. When a frame arrives at a device, it reads the destination **MAC** address in the frame's header to check if it is the intended recipient. All connections to the hub effectively form a single bus, so only one connected device can transmit a frame at any given time.

A device such as a PC fitted with an Ethernet **NIC** uses Carrier Sense Multiple Access (CSMA) techniques to ensure that other devices are not transmitting before sending its own frame. If the line is busy, it waits for a randomly selected period before making another attempt.

Export summary: [Export](#) (11)

You have achieved a score of 50% for this module
You can try to improve your score by clicking on the Q Button.

PTT Summary Page: 8 of 8 [Q](#) (12)

10. A summary of the subjects covered are available at the end of each module.
11. Module summaries can be saved or printed for reference later.
12. A question session at the end of each course module allows a user to test their understanding of the subjects covered. Feedback is provided if an incorrect answer is selected to aid understanding.

(13) **_learntelecoms**
PTT Certificate of Achievement

This is to certify that
John Smith
has completed the course:
DSA: "ADSL principles"

Overall score of 87%
Grade: Distinction

13. At the end of a PTT learntelecoms course, a trainee can print out his/her own certificate of achievement.